

Converting Colors

$Y_{xy}(16.5063, 0.4249, 0.2150)$

Have a look what the booklet for
Yxy(16.5063, 0.4249, 0.2150)
contains.

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Color

Yxy(16.4999, 0.4257, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	D5108F
RGB	213, 16, 143
RGB Percent	84%, 6%, 56%
CMY	0.1648, 0.9367, 0.4392
CMYK	0.00, 0.92, 0.33, 0.16
HSL	321°, 86%, 45%
HSV	321°, 92%, 84%
XYZ	32.5789, 16.4999, 27.4514
YIQ	89.3810, 76.6450, 81.2610

Conversions

Conversions Part 2

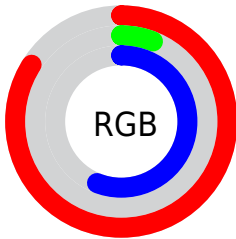
Format	Color
R_{YB}	213, 16, 143
Decimal	13963407
CIE _{Lab}	47.62, 75.68, -16.65
CIE _{LCh}	48, 77.491, 347.592
Yxy	16.4999, 0.4257, 0.2156
Android (android.graphics.Color)	4292153487 (0xFFD5108F)
YUV	89.3810, 26.4342, 108.4139
Hunter-Lab	40.6201, 72.0789, -11.6346

Details

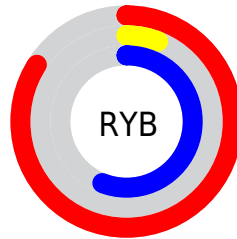
The Yxy color **16.4999, 0.4257, 0.2156** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **48.3635, 0.2827, 0.5323**, and the grayscale version is **10.0241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4756, 0.3815, 0.2305**, and **7.5626, 0.4485, 0.2244** is the 20% darker color. If you saturate the color by 10%, you get **15.9565, 0.4374, 0.2183**, and if you desaturate by 10%, it is **17.7140, 0.4099, 0.2157**.

Distribution



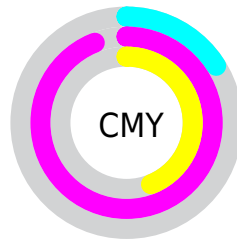
- Red (84%)
- Green (6%)
- Blue (56%)



- Red (84%)
- Yellow (6%)
- Blue (56%)



- Cyan (0%)
- Magenta (92%)
- Yellow (33%)
- Black (16%)





- Cyan (16%)
- Magenta (94%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4999, 0.4257, 0.2156 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 16.4999, 0.4257, 0.2156 by changing the saturation by 10% instead.


 16.4999, 0.4257,
0.2156

 16.4999, 0.4257,
0.2156


232.2737, 0.3630,
0.2761


 9.8786, 0.4435,
0.1995


 37.4639, 0.4014,
0.2384


 5.3185, 0.4677,
0.1784


 52.5754, 0.3927,
0.2467


 2.4353, 0.5022,
0.1498


 71.2857, 0.3856,
0.2536

 0.8440, 0.5546,
0.1101

 93.9793, 0.3796,
0.2595

 0.0000, 0.6778,
0.0000

 121.0404, 0.3745,
0.2645

 0.0000, 1.0000,
0.0000

 152.8536, 0.3701,

 0.0000, 0.0000,

0.2689

0.0000

189.8033, 0.3664,
0.2727

■ 16.4999, 0.4257,
0.2156

■ 16.4999, 0.4257,
0.2156

■ 15.9565, 0.4374,
0.2183

■ 17.7140, 0.4099,
0.2157

■ 19.7175, 0.3941,
0.2209

■ 22.6282, 0.3787,
0.2306

■ 26.5435, 0.3643,
0.2436

■ 31.5481, 0.3513,
0.2590

■ 37.7177, 0.3398,
0.2755

■ 45.1212, 0.3299,
0.2925

■ 53.8220, 0.3214,
0.3092

■ 63.8794, 0.3143,
0.3252

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.4999, 0.2714, 0.1618



16.4999, 0.4257, 0.2156



16.4999, 0.5596, 0.2879

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.4999, 0.4257, 0.2156



16.4999, 0.4127, 0.5675



16.4999, 0.0944, 0.1873

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.4999, 0.4257, 0.2156



48.3635, 0.2827, 0.5323

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.4999, 0.1118, 0.3015



16.4999, 0.4257, 0.2156



16.4999, 0.2895, 0.6145

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.4999, 0.4257, 0.2156



16.4999, 0.5248, 0.4626



16.4999, 0.1781, 0.4938



16.4999, 0.1118, 0.1420

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.4999, 0.4257, 0.2156



16.4999, 0.5921, 0.3398



16.4999, 0.1781, 0.4938



16.4999, 0.0959, 0.2158

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.5008, 0.4257, 0.2156



61.0665, 0.3356, 0.2825



7.1108, 0.1843, 0.0822



12.0863, 0.3401, 0.2752



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.5008, 0.4257, 0.2156



23.9524, 0.4389, 0.2191



14.7125, 0.6015, 0.3148



12.5542, 0.3192, 0.3141



9.7691, 0.4353, 0.2172



0.6047, 0.4105, 0.2035

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.5008, 0.4257, 0.2156



23.9524, 0.4389, 0.2191



51.1274, 0.2381, 0.3734



12.5542, 0.3192, 0.3141



9.7691, 0.4353, 0.2172



0.6047, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 16.4999, 0.4257, 0.2156 looks on a white background.

Color Contrast Check

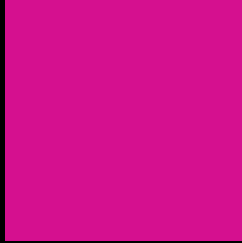
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.4999, 0.4257, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

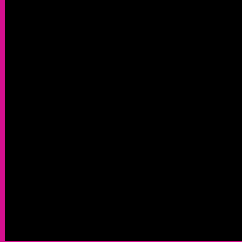
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4999, 0.4257, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 16.4999, 0.4257, 0.2156.



This preview shows how white text looks on a background with the Yxy color 16.4999, 0.4257, 0.2156.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.4999, 0.4257, 0.2156

Protanopia

17.0584, 0.2015, 0.1796

Deuteranopia

16.9948, 0.2931, 0.2891



Tritanopia

16.6178, 0.5537, 0.3279

Trichromacy



Original Color

16.4999, 0.4257, 0.2156

Protanomaly

12.8549, 0.2482, 0.1665

Deuteranomaly

13.6932, 0.3385, 0.2325

Tritanomaly

16.0212, 0.5155, 0.2848

Monochromacy



Original Color

16.4999, 0.4257, 0.2156

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.7275, 0.3621, 0.2451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4999, 0.4257, 0.2156 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(213, 16, 143)` looks like.

```
.text, #text, p{  
    color:rgb(213, 16, 143)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(213, 16, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 16, 143) }
```

Border

The CSS property to change the border of an element to Yxy 16.4999, 0.4257, 0.2156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(213, 16, 143) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(213, 16, 143) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(213, 16, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 16, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 16, 143);  
box-shadow:4px 4px 4px 4px rgb(213, 16,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4999, 0.4257, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 16, 143) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(213, 16,  
143) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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